ITT AES Doc. No. OF-05-05 Rev. 04/00		ITT Industries Inc. AES – Reston				
Request For Deviation / Waiver						
Dev # - DAS-D07	, quost i oi 20		Date 15 February 2001			
	Deviation 🛛	Waiver $\square$				
Originator						
Name:			stries, Inc.			
ITT Industries, Inc 1761 Business Center Drive						
Reston, VA 20190						
Title Of Deviation / Waiver: Com	oonent Compliance	With SPEC-8				
Contract Number: GS-35-01	095, Order # S 8707	0-Y, Task 11	Cage Code: 9M715			
Classification:	Minor 🗵	Major $\square$	Critical			
Part Number: See Sheet 2 Title: See Sheet 2						
Effectivity: All DAS Cables		Recurring Deviation/ Waiver: Yes ☐ No ☒				
Effect on Cost: None		Effect on Schedul	le: None			
Effect on Logistics Support, Interface or Software: None						
Reference Documents: STDN Spec	: 8, para 1.1					
Description of Deviation / Waiver:  STDN Spec mandates use of certain materials, cables and components for STDN equipment in order to establish and maintain commonality of parts. Selectively waive compliance with SPEC-8.						
Need for Deviation / Waiver:  Spec is 13-years old, and in many cases it is obsolete. There are instances when SPEC-8 compliant components are not available or suitable for the intended DAS application. Please see attached list. Additional components will need to be incorporated under this as identified.						
Corrective action taken: None. Accept the recommended deviations.  Submitting Activity						
Submitting Activity						
	itle: TT - AES, DAS PM	Signature /s/ Walter	e: Date: 02/15/01			
Customer Approval / Disapproval						
Approval 🛛	Disapproval		Date 3/8/01			
Name: Thomas A. Gitlin	Title: Product Manager	Signature: Original signed				

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## **Request For Deviation / Waiver**

Dev # - DAS-D07 Date 15 February 2001

## **CABLES AND CONNECTORS NOT LISTED IN SPEC 8**

Ethernet Cable / RJ45-Cat5 Patch Cable (1) Laser Tab Label for Cables BNC Isolated Bulkead Adapter (Jack-Jack) Insulated Feed-Thru Jack Insulating Washer Straight Adaptor / Bulkhead Mounted Bulkhead Mounted Bulkhead Mounted Bulkhead Mounted Bulkhead Mounted D-Sub 9 Female-to-Female/GC-9FF-LP D-Sub 15 Female-to-Female/GC-15FF-LP SC Adapter, Phosphor Bronze Alignment Sleeve Temperature Sensor Cable (Allied:216-3200) Belden Die Cast Backshell (Digi-Key:A206-ND) Cast Budminiature Connector (Newark: 81F5171) / 9P Subminiature Connector (Newark: 81F5173) / 25P Die Cast Backshell (Digi-Key:A2061-ND) / 9P Die Cast Backshell (Digi-Key:A2068-ND) / 28 Die Cast Backshell (Digi-Key:A2068-ND) / 25P Multiconductor Computer Cable  EVSA05-Length LAT 19-361-1 31-4803 Anthony-Lee Associates Anthoso-O-1 Suhner SoF9370 Newark Electronics Newar	ITEM	PART DESCRIPTION	PART NUMBER	MANUF/VENDOR
Center Contact Crimp Tool   Substing (Center Contact Positioner (pin)   O10-0044   O10-0044   Trompeter Electronics Trompeter Electronics Trompeter Electronics Trompeter Electronics Trompeter Electronics Trompeter Electronics CD5-8   BL-982   Trompeter Electronics Elect				
3   Center Contact Positioner (pin)   4   Bushing/Shield Crimp Die   5   Trompeter Electronics   Anthony-Lee Associates   Anthony-Lee Assoc	2		M22520/1-01	Trompeter Electronics
Bushing/Shield Crimp Die   Ethernet Cable / RJ45-Cat5 Patch Cable (1)   EVSA05-Lendth   LAST 19-361-1   Simplex Malanzed Line   Simplex Multimode Connector (Newark: 81F5173) / 25P   Simplex Multiconductor Computer Cable   Die Cast Backshell (Digi-Key:A2068-ND) / 25P   Multiconductor Computer Cable   Mid-High Capacitans   CD5-8   BI-982   Times Microwave System   Black Box Network Servic Times Microwave System   Black Box Network Servic Times Microwave System   Black Box Network Servic Anthony-Lee Associates   Amphenol Trompeter Electronics   Amphenol Trompeter Electronics   Anthony-Lee Associates   Amphenol   Asport Electronics   Anthony-Lee Associates   Amphenol   Alpha Electronics   Scharler   Alpha Electronics   Scharler   Alpha Electronics   Asport Electronics   Asport Electronics   Alpha Electronics   Al			010-0044	
Ethernet Cable / RJ45-Cat5 Patch Cable (1) Laser Tab Label for Cables BNC Isolated Bulkead Adapter (Jack-Jack) Insulated Feed-Thru Jack Insulating Washer Straight Adaptor / Bulkhead Mounted Bulkhead Mounted Bulkhead Mounted D-Sub 9 Female-to-Female/GC-9FF-LP SC Adapter, Phosphor Bronze Alignment Sleeve Temperature Sensor Cable (Allied:216-3200) Mid-High Capacitance Computer Cable (RS-232) / (Allied:216-2926) De Cast Backshell (Digi-Key:A2061-ND) / 9P Subminiature Connector (Newark: 81F5171) / 9P Subminiature Connector (Newark: 81F5173) / 25P Die Cast Backshell (Digi-Key:A2068-ND) / 28 Die Cast Backshell (Digi-Key:A2068-ND) / 28 Die Cast Backshell (Digi-Key:A2068-ND) / 28 Die Cast Backshell (Digi-Key:A2068-ND) / 25P Multiconductor Computer Cable  EVSA05-Length LAT 19-361-1 31-4803 Anthony-Lee Associates Anthony-Lee A	4	Bushing/Shield Crimp Die	CD5-8	
Laser Tab Label for Cables   BNC Isolated Bulkead Adapter (Jack-Jack)   31-4803   BNC Isolated Bulkead Adapter (Jack-Jack)   BJ73   Trompeter Electronics   Suhner   34 TNC-50-0-1   Suhner   34 SMA-50-0-1   Suhner   Su	5	Twinax/Balanced Line	BL-982	Times Microwave Systems
Laser Tab Label for Cables   BNC Isolated Bulkead Adapter (Jack-Jack)   31-4803   BNC Isolated Bulkead Adapter (Jack-Jack)   BJ73   Trompeter Electronics   Suhner   34 TNC-50-0-1   Suhner   34 SMA-50-0-1   Suhner   Su	6	Ethernet Cable / RJ45-Cat5 Patch Cable (1)	EVSA05-Length	Black Box Network Services
10	7	Laser Tab Label for Cables	LAT 19-361-1	Anthony-Lee Associates
10	8	BNC Isolated Bulkead Adapter (Jack-Jack)	31-4803	Amphenol
11         Straight Adaptor / Bulkhead Mounted         34 TNC-50-0-1         Suhner           12         Bulkhead Mounted         34 SMA-50-0-1         Suhner           13         D-Sub 9 Female-to-Female/GC-9FF-LP         50F9370         Newark Electronics           14         D-Sub 15 Female-to-Female/GC-25FF-LP         50F9373         Newark Electronics           15         D-Sub 25 Female-to-Female/GC-25FF-LP         50F9376         Newark Electronics           16         SC Adapter, Phosphor Bronze Alignment Sleeve         954-120-5001         Amphenol           17         Temperature Sensor Cable (Allied:216-3200)         9945         Amphenol           18         Mid-High Capacitance Computer Cable (RS-232) / (Allied:216-2926)         9945         Belden           19         Die Cast Backshell (Digi-Key:A2066-ND)         748677-1         AMP INC.           20         Thinhex Crimp Tool System (Newark:57F3110)         227-944         Amphenol           21         Simplex Multimode 50um Fiber Cable (3)         PCN-S2-CM-126         FOCI           23         Subminiature Connector (Newark: 81F5171) / 9P         17DE9P         Amphenol           24         Subminiature Connector (Newark: 81F5173) / 25P         748677-3         AMP           25         Die Cast Backshell (Digi-Key:A2068-ND) / 25P	9	Insulated Feed-Thru Jack	BJ73	Trompeter Electronics
12	10	Insulating Washer	77 Z-0-023	Suhner
D-Sub 9 Female-to-Female/GC-9FF-LP D-Sub 15 Female-to-Female/GC-15FF-LP D-Sub 25 Female-to-Female/GC-25FF-LP SC Adapter, Phosphor Bronze Alignment Sleeve Temperature Sensor Cable (Allied:216-3200) Mid-High Capacitance Computer Cable (RS-232) / (Allied:216-2926) Die Cast Backshell (Digi-Key:A2066-ND) Thinhex Crimp Tool System (Newark:57F3110) Simplex Multimode 50um Fiber Cable (3) Subminiature Connector (3) Subminiature Connector (Newark: 81F5171) / 9P Subminiature Connector (Newark: 81F5173) / 25P Die Cast Backshell (Digi-Key:A2066-ND) Die Cast Backshell (Digi-Key:A2061-ND)/ 9P Die Cast Backshell (Digi-Key:A2068-ND)/ 25P Multiconductor Computer Cable  Mid-High Capacitance Computer Cable  Mid-High Capacitance Computer Cable  Mid-High Capacitance Computer Cable  Selden  Amphenol  Amphenol Chromatic Technologies  FOCI  Amphenol  Belden  Amphenol  Amphenol  Amphenol  Amphenol  Amphenol  Amphenol  Belden  Belden  Amphenol  Belden  Belden	11	Straight Adaptor / Bulkhead Mounted	34 TNC-50-0-1	Suhner
D-Sub 15 Female-to-Female/GC-15FF-LP D-Sub 25 Female-to-Female/GC-25FF-LP SC Adapter, Phosphor Bronze Alignment Sleeve Temperature Sensor Cable (Allied:216-3200) Mid-High Capacitance Computer Cable (RS-232) / (Allied:216-2926) Die Cast Backshell (Digi-Key:A2066-ND) Thinhex Crimp Tool System (Newark:57F3110) Simplex Multimode 50um Fiber Cable (3) SC Multimode Connector (3) Subminiature Connector (Newark: 81F5171) / 9P Subminiature Connector (Newark: 81F5173) / 25P Die Cast Backshell (Digi-Key:A2068-ND)/ 25P Die Cast Backshell (Digi-Key:A2068-ND)/ 25P Multiconductor Computer Cable  Die Cast Backshell (Digi-Key:A2068-ND)/ 25P Multiconductor Computer Cable  Mewark Electronics Newark Electronics	12	Bulkhead Mounted	34 SMA-50-0-1	Suhner
D-Sub 25 Female-to-Female/GC-25FF-LP SC Adapter, Phosphor Bronze Alignment Sleeve Temperature Sensor Cable (Allied:216-3200) Mid-High Capacitance Computer Cable (RS-232) / (Allied:216-2926) Die Cast Backshell (Digi-Key:A2066-ND) Thinhex Crimp Tool System (Newark:57F3110) Simplex Multimode 50um Fiber Cable (3) SC Multimode Connector (3) Subminiature Connector (Newark: 81F5171) / 9P Subminiature Connector (Newark: 81F5173) / 25P Die Cast Backshell (Digi-Key:A2068-ND)/ 25P Die Cast Backshell (Digi-Key:A2068-ND)/ 25P Multiconductor Computer Cable  Die Cast Backshell (Digi-Key:A2068-ND)/ 25P Multiconductor Computer Cable  SoF Multimode Connector (Newark: 81F5173) / 25P  Die Cast Backshell (Digi-Key:A2068-ND)/ 25P Multiconductor Computer Cable  Newark Electronics Amphenol Belden  AMP INC.  Amphenol Chromatic Technologies FOCI Amphenol	13	D-Sub 9 Female-to-Female/GC-9FF-LP	50F9370	Newark Electronics
16 SC Adapter, Phosphor Bronze Alignment Sleeve 17 Temperature Sensor Cable (Allied:216-3200) 18 Mid-High Capacitance Computer Cable (RS-232) / (Allied:216-2926) 19 Die Cast Backshell (Digi-Key:A2066-ND) 20 Thinhex Crimp Tool System (Newark:57F3110) 21 Simplex Multimode 50um Fiber Cable (3) 22 SC Multimode Connector (3) 23 Subminiature Connector (Newark: 81F5171) / 9P 24 Subminiature Connector (Newark: 81F5173) / 25P 25 Die Cast Backshell (Digi-Key:A2061-ND)/ 9P 26 Die Cast Backshell (Digi-Key:A2068-ND)/ 25P 27 Multiconductor Computer Cable  17 Maphenol 18 3396 9945 748677-1 227-944 530T-02F-50 PCN-S2-CM-126 17DE9P Amphenol 17DE9P Amphenol 17DE9P Amphenol 17DB25P Amphenol AMP 748676-1 748677-3 AMP 30 31 32 33 34	14	D-Sub 15 Female-to-Female/GC-15FF-LP	50F9373	Newark Electronics
Temperature Sensor Cable (Allied:216-3200) Mid-High Capacitance Computer Cable (RS-232) / (Allied:216-2926) Die Cast Backshell (Digi-Key:A2066-ND) Thinhex Crimp Tool System (Newark:57F3110) Simplex Multimode 50um Fiber Cable (3) SC Multimode Connector (3) Subminiature Connector (Newark: 81F5171) / 9P Subminiature Connector (Newark: 81F5173) / 25P Die Cast Backshell (Digi-Key:A2061-ND)/ 9P Die Cast Backshell (Digi-Key:A2068-ND)/ 25P Multiconductor Computer Cable  Temperature Sensor Cable (Allied:216-3200)  83396 9945 748677-1 AMP INC. Amphenol Chromatic Technologies FOCI 17DE9P 17DB25P 748676-1 748677-3 AMP AMP 9855 Belden Belden AMP INC. Amphenol Chromatic Technologies FOCI Amphenol Amphenol AMP 748677-3 AMP 9855 Belden	15	D-Sub 25 Female-to-Female/GC-25FF-LP	50F9376	Newark Electronics
Temperature Sensor Cable (Allied:216-3200)  Mid-High Capacitance Computer Cable (RS-232) / (Allied:216-2926)  Die Cast Backshell (Digi-Key:A2066-ND)  Thinhex Crimp Tool System (Newark:57F3110)  Simplex Multimode 50um Fiber Cable (3)  SC Multimode Connector (3)  Subminiature Connector (Newark: 81F5171) / 9P  Subminiature Connector (Newark: 81F5173) / 25P  Die Cast Backshell (Digi-Key:A2061-ND)/ 9P  Die Cast Backshell (Digi-Key:A2068-ND)/ 25P  Multiconductor Computer Cable  Temperature Sensor Cable (Allied:216-3200)  83396  9945  748677-1  AMP INC.  Amphenol  Chromatic Technologies  FOCI  Amphenol  748676-1  748677-3  AMP  9855  Belden  Belden  AMP INC.  Amphenol  Chromatic Technologies  FOCI  Amphenol  Amphenol  AMP  748676-1  748677-3  AMP  9855  Belden  Belden  Belden  Belden  Belden  Belden  Belden  Belden  Belden  AMP INC.  Amphenol  Chromatic Technologies  FOCI  Amphenol  Amphenol  AMP  9855  Belden  Belden  Belden  Belden  Belden  Belden  Belden  Belden  AMP INC.  Amphenol  Chromatic Technologies  FOCI  Amphenol  Amphenol  AMP  9855  Belden	16	SC Adapter, Phosphor Bronze Alignment Sleeve	954-120-5001	Amphenol
Die Cast Backshell (Digi-Key:A2066-ND) Thinhex Crimp Tool System (Newark:57F3110) Simplex Multimode 50um Fiber Cable (3) SC Multimode Connector (3) Subminiature Connector (Newark: 81F5171) / 9P Subminiature Connector (Newark: 81F5173) / 25P Die Cast Backshell (Digi-Key:A2061-ND) / 9P Die Cast Backshell (Digi-Key:A2068-ND) / 25P Multiconductor Computer Cable  Die Cast Backshell (Digi-Key:A2068-ND) / 25P Multiconductor Computer Cable  Die Cast Backshell (Digi-Key:A2068-ND) / 25P  Multiconductor Computer Cable  Amphenol Chromatic Technologies FOCI 17DE9P 17DB25P 748676-1 748676-1 748677-3 AMP 9855 Belden	17	Temperature Sensor Cable (Allied:216-3200)	83396	Belden
Thinhex Crimp Tool System (Newark:57F3110) Simplex Multimode 50um Fiber Cable (3) SC Multimode Connector (3) Subminiature Connector (Newark: 81F5171) / 9P Subminiature Connector (Newark: 81F5173) / 25P Die Cast Backshell (Digi-Key:A2061-ND)/ 9P Die Cast Backshell (Digi-Key:A2068-ND)/ 25P Multiconductor Computer Cable  Thinhex Crimp Tool System (Newark:57F3110) Simplex Multimode 50um Fiber Cable (3) PCN-S2-CM-126 T7DE9P T7DE9P T7BE5P T48676-1 T48677-3 AMP T48677-3 AMP T48677-3 Belden  Belden	18	Mid-High Capacitance Computer Cable (RS-232) / (Allied:216-2926)	9945	
Simplex Multimode 50um Fiber Cable (3) SC Multimode Connector (3) Subminiature Connector (Newark: 81F5171) / 9P Subminiature Connector (Newark: 81F5173) / 25P Die Cast Backshell (Digi-Key:A2061-ND)/ 9P Die Cast Backshell (Digi-Key:A2068-ND)/ 25P Multiconductor Computer Cable  Simplex Multimode 50um Fiber Cable (3) FOCI Amphenol 17DE9P 17DB25P 748676-1 748677-3 AMP 9855 Belden  Belden	19	Die Cast Backshell (Digi-Key:A2066-ND)	748677-1	AMP INC.
22       SC Multimode Connector (3)       PCN-S2-CM-126       FOCI         23       Subminiature Connector (Newark: 81F5171) / 9P       17DE9P       Amphenol         24       Subminiature Connector (Newark: 81F5173) / 25P       17DB25P       Amphenol         25       Die Cast Backshell (Digi-Key:A2061-ND)/ 9P       748676-1       AMP         26       Die Cast Backshell (Digi-Key:A2068-ND)/ 25P       748677-3       AMP         27       Multiconductor Computer Cable       9855       Belden         28       29         30       31       32         33       34       34			227-944	
23   Subminiature Connector (Newark: 81F5171) / 9P   17DE9P   17DB25P   Amphenol   17DB25P   1		Simplex Multimode 50um Fiber Cable (3)	530T-02F-50	Chromatic Technologies
24       Subminiature Connector (Newark: 81F5173) / 25P       17DB25P       Amphenol         25       Die Cast Backshell (Digi-Key:A2061-ND)/ 9P       748676-1       AMP         26       Die Cast Backshell (Digi-Key:A2068-ND)/ 25P       748677-3       AMP         27       Multiconductor Computer Cable       9855       Belden         28       29         30       31         32       33         34       34			PCN-S2-CM-126	
Die Cast Backshell (Digi-Key:A2061-ND)/ 9P	23	Subminiature Connector (Newark: 81F5171) / 9P	17DE9P	Amphenol
26			17DB25P	Amphenol
27 Multiconductor Computer Cable 9855 Belden  28 29 30 31 32 33 34				AMP
28 29 30 31 32 33 34		Die Cast Backshell (Digi-Key:A2068-ND)/ 25P	748677-3	AMP
29 30 31 32 33 34		Multiconductor Computer Cable	9855	Belden
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## NOTES:

- 1 All the Ethernet cables were custom made. The P/N and manufacturer of the cable and the connectors are M54627 / MOHAWK, and 110-080810-54 / SENTINEL respectively.
- 2 Power cables that are used are the original power cables. All power cables are FCC compliant.
- **3** The assembly of the fiber optic cable using the SC connector was done by Net Optics. Their corresponding P/N is AC20404-L (L=length of the cable).